

AMENDMENTS TO THE SPECIFICATION

Before paragraph [0001], please insert the following headings and new paragraph:

CROSS REFERENCE TO RELATED APPLICATIONS

[0000.1] Not applicable.

BACKGROUND OF THE INVENTION

1. Field of the Invention

After paragraph [0001], please insert the following heading:

2. Description of Related Art

After paragraph [0011], please insert the following heading:

BRIEF SUMMARY OF THE INVENTION

Please replace paragraph [0013] with the following amended paragraph:

[0013] This object is achieved by ~~the features of claim 1~~ a device for producing bored piles having an auger, which along at least part of the auger length is surrounded by a rotating encasing tube and during boring the encasing tube is rotated in or counter to the rotation direction of the auger and in which the auger and the encasing tube are introduced essentially simultaneously into the ground during boring, characterized in that to facilitate material discharge, the surface roughness of the auger helix surface

pointing in the feed direction is increased compared with the roughness of the rolled surfaces in a complete or partial surface manner by additional machining and that the increase in the surface roughness extends at least over the auger length necessary for feed purposes.

After paragraph [0021], please insert the following heading:

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

After paragraph [0021] and the new heading following paragraph [0021], please insert the following new paragraphs:

[0021.1] Fig. 1 is a section through the boring tool of a double head boring appliance.

[0021.2] Figs. 2A and 2B are respectively a plan view of a first embodiment of a helix and to the right thereof a section through the auger helix.

[0021.3] Figs. 3A and 3B are respectively a plan view of a second embodiment of a helix and a section through the auger helix.

[0021.4] Fig. 4 is a plan view of a third embodiment of a helix.

After paragraph [0021.4], please insert the following new heading:

DETAILED DESCRIPTION OF THE INVENTION

Please replace paragraphs [0024] and [0025] with the following amended paragraphs:

[0024] ~~Fig. 2 shows~~ Figs. 2A and 2B respectively show in an embodiment a plan view of a helix 1 and to the right thereof a section through the auger helix. This is an embodiment with punctiform prominences 5 and depressions 5' arranged on the side of the auger helix face 2 directed in the auger feed direction.

[0025] ~~Fig. 3 shows~~ Figs. 3A and 3B respectively show in another embodiment a plan view and a section through the auger helix of an inventive device. In this case the prominences 6, 7 and depressions 6' are linear, namely in the form of continuous lines and broken lines, said lines being substantially rectilinear.

Please cancel the Abstract as originally filed and replace it with the following substitute

Abstract:

Device for producing bored piles having an auger, which along at least part of the auger length is surrounded by a rotating encasing tube and during boring the encasing tube is rotated in or counter to the rotation direction of the auger and in which the auger and the encasing tube are introduced essentially simultaneously into the ground during boring. To facilitate material discharge, the surface roughness of the auger helix surface pointing in the feed direction is increased compared with the roughness of the rolled surfaces in a complete or partial surface manner by additional machining. The increase in the surface roughness extends at least over the auger length necessary for feed purposes.